ABSTRACT

A method and system for aggregating and combining manufacturing data for analysis for the purposes of increasing manufacturing efficiency and reducing manufacturing downtime due to abnormal conditions. An embodiment provides for a method of dividing an entire manufacturing process into parts and further into subparts for the purposes of tracking the path that a workpiece takes during the entire manufacturing process. Data is measured specific to the path and assigned to a data set stored on a data processing device for analysis of the conditions for the workpiece being examined. An embodiment provides for quicker data analysis which may result in less manufacturing product being discarded due to lengthy delays between abnormal conditions and the response to those conditions. An embodiment provides for users to be alerted when abnormal conditions are present. In one example, a data processing device non-manually halts production when abnormal conditions are present.

"Express Mail" mailing label number: EV415950042US
Date of Deposit: February 27, 2004
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